

1/24

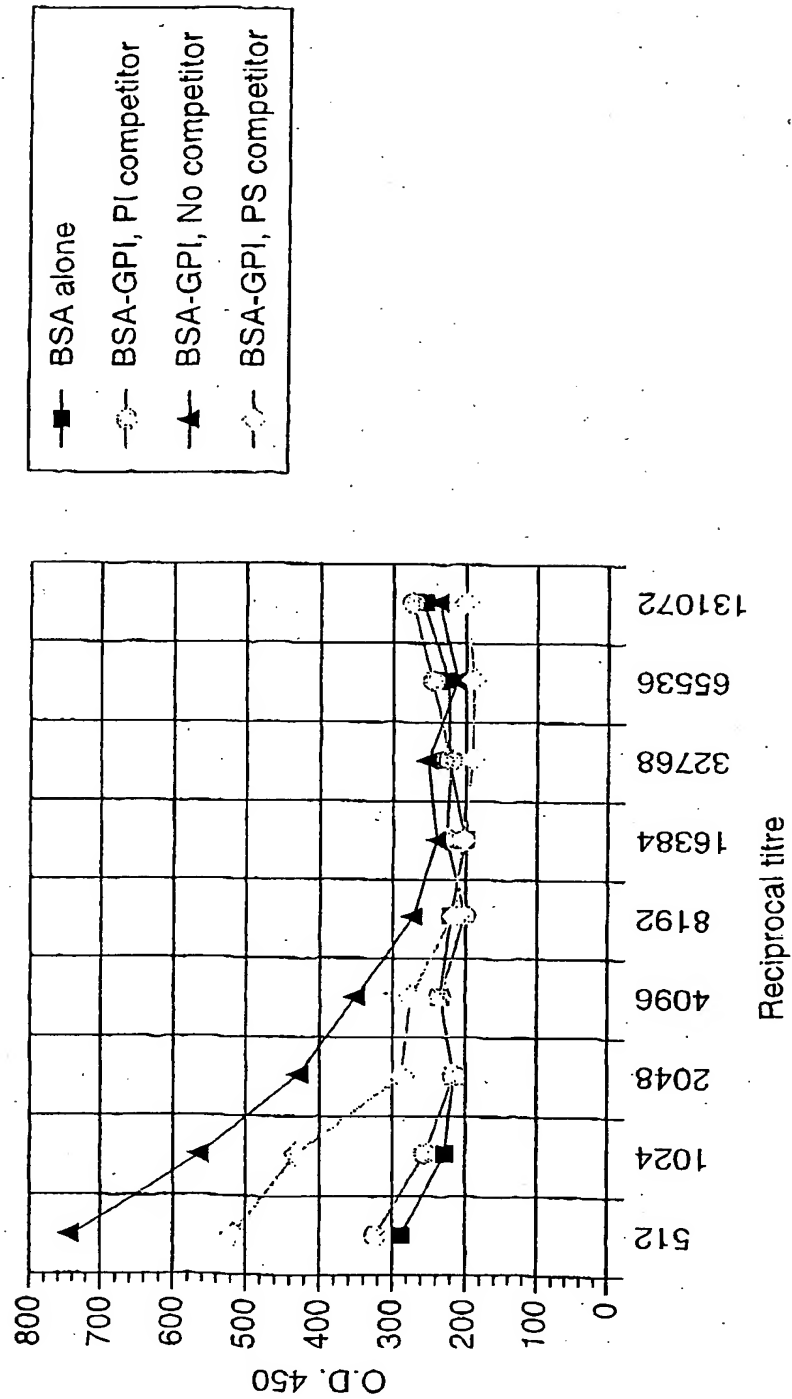


Figure 1

2/24

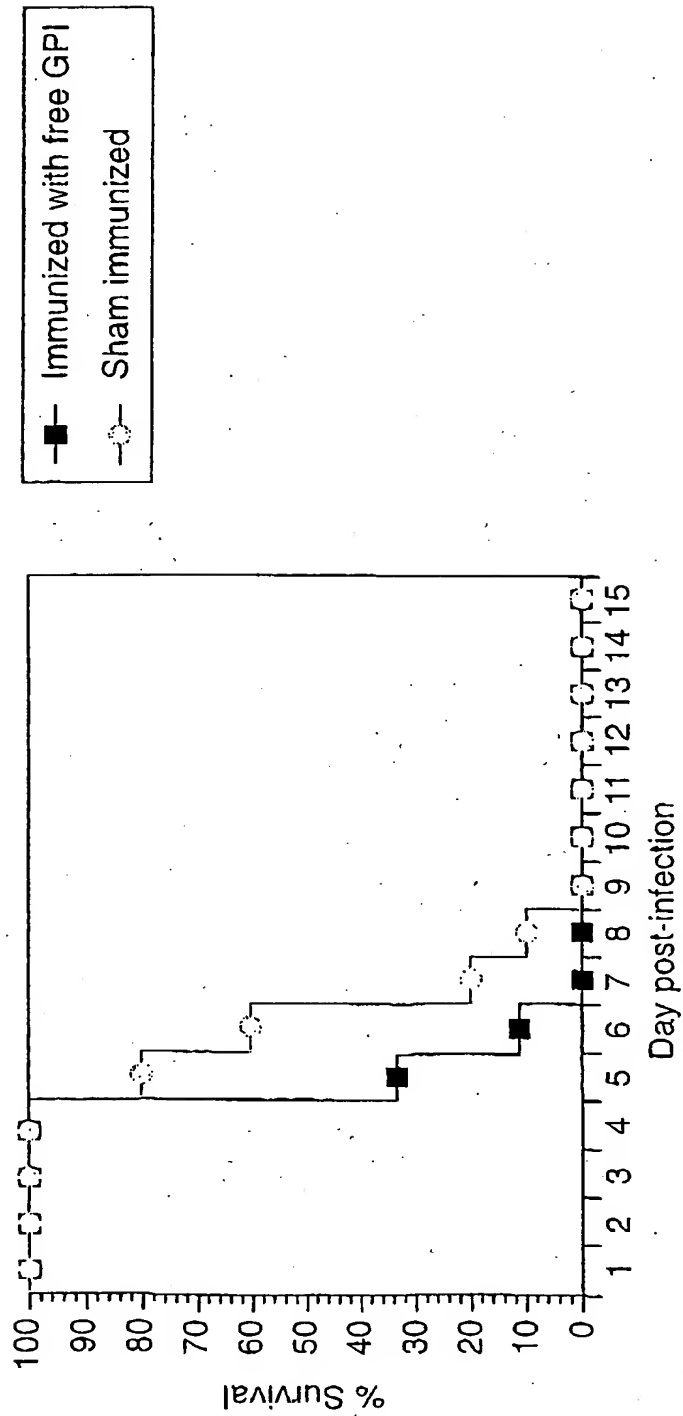


Figure 2

3/24

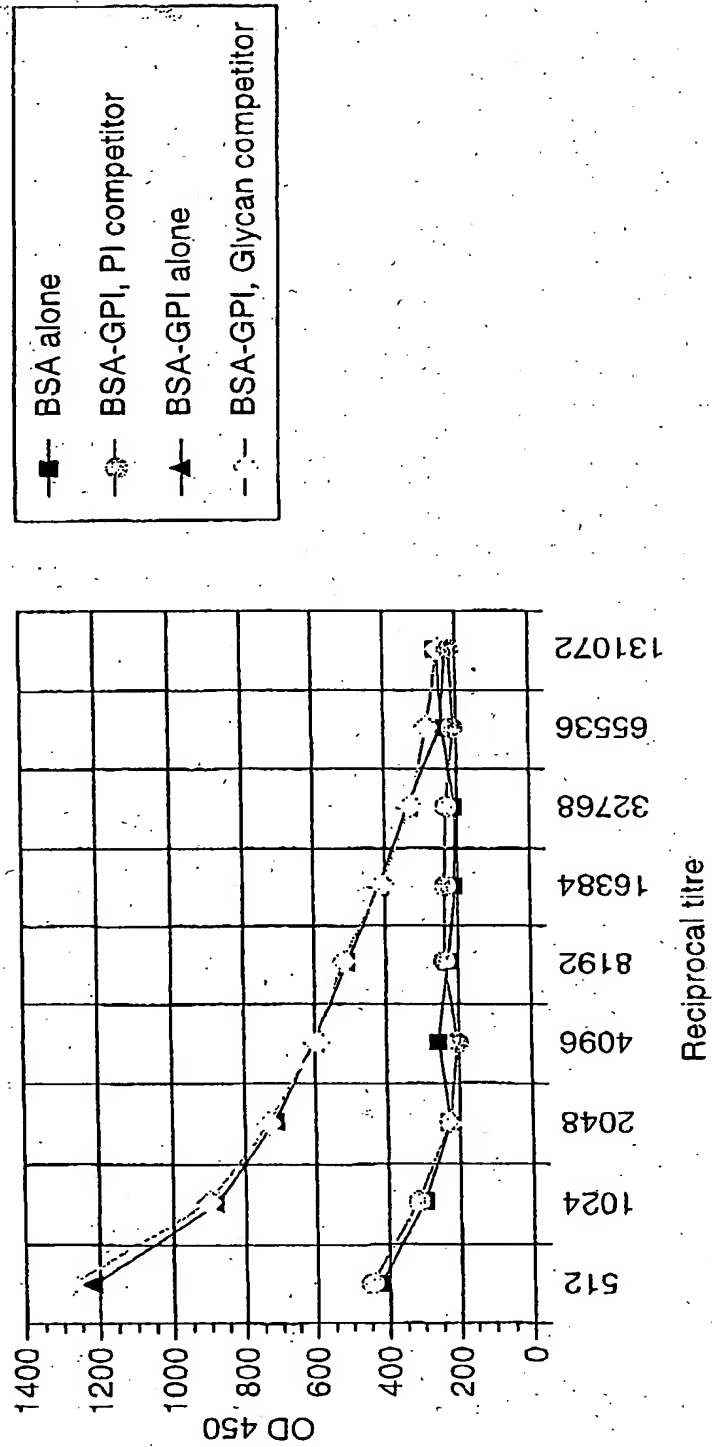


Figure 3

4/24

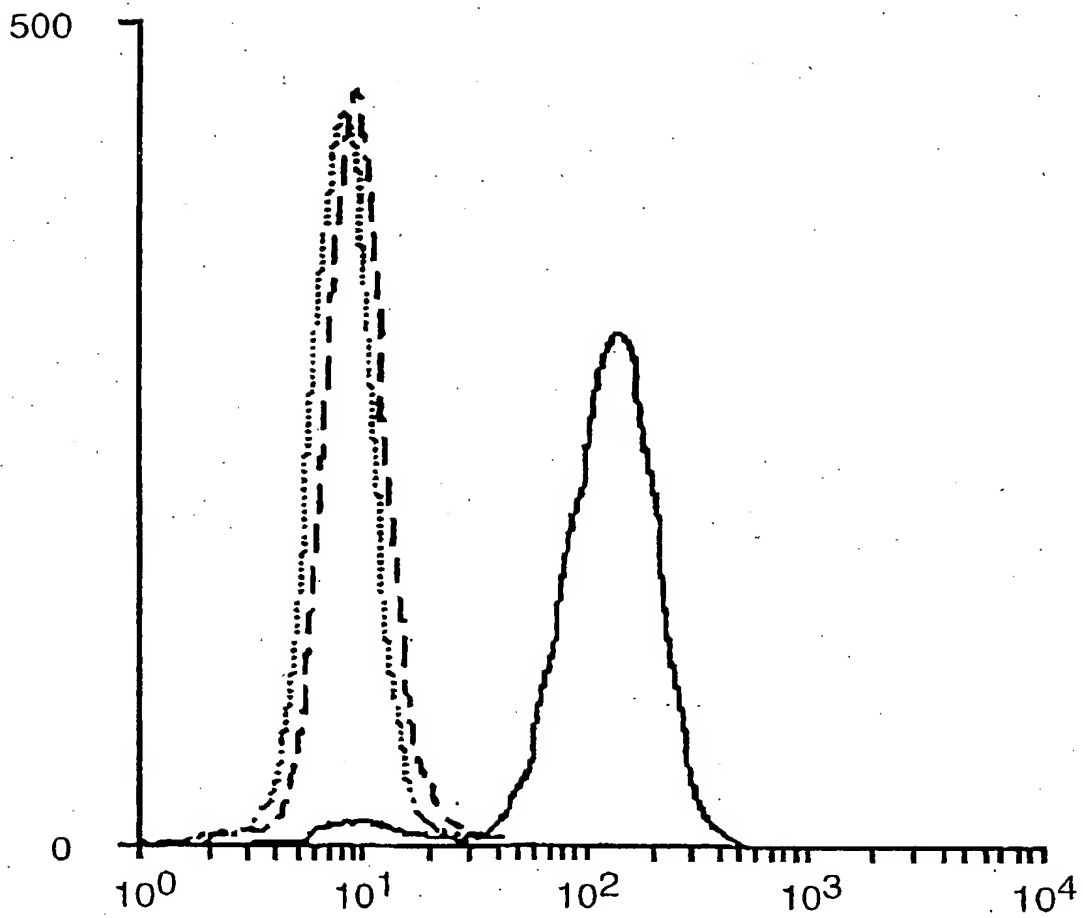


Figure 4

5/24

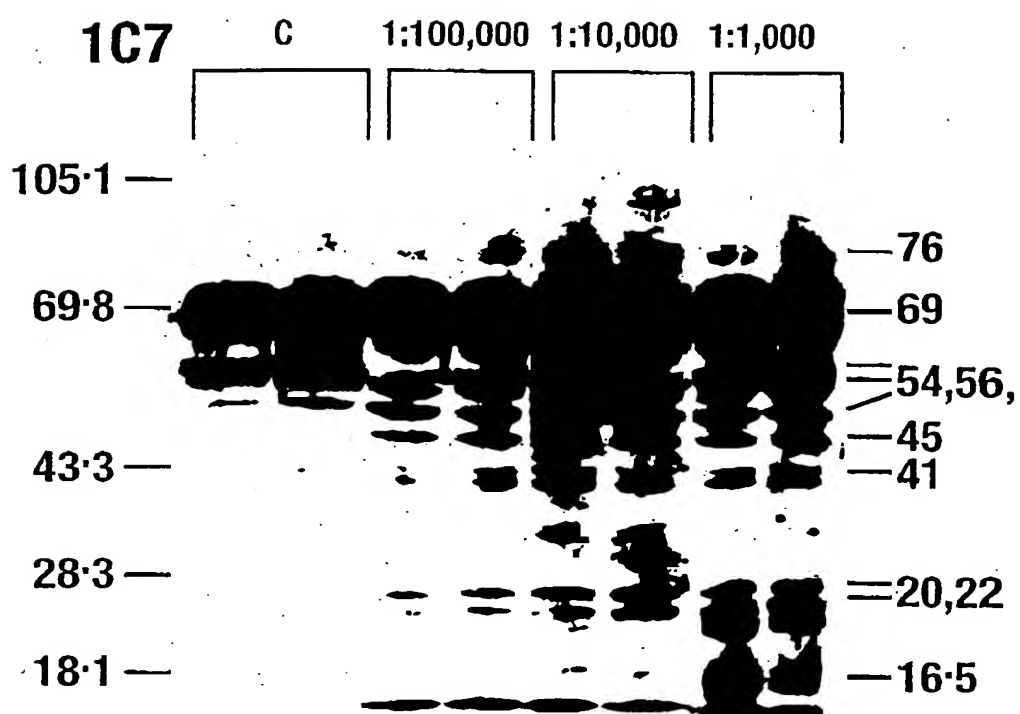


Figure 5

6/24

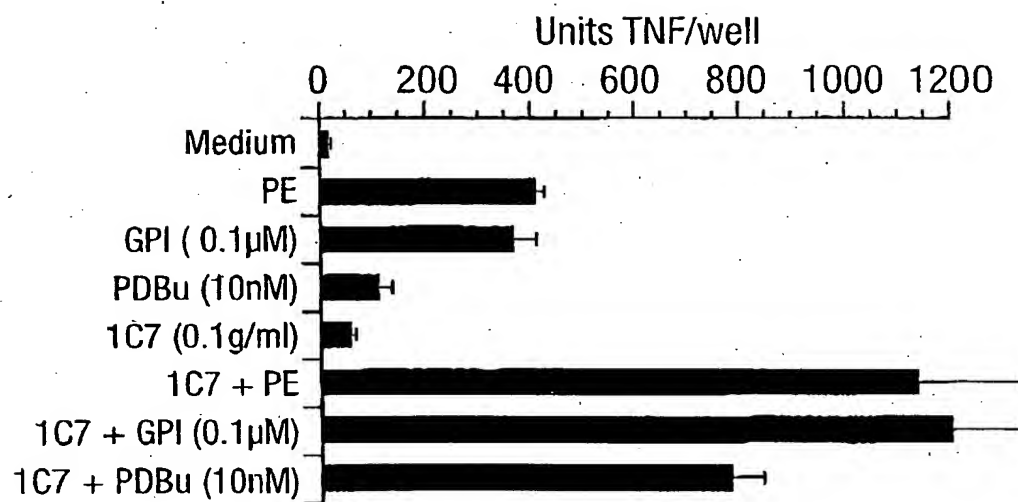


Figure 6

7/24

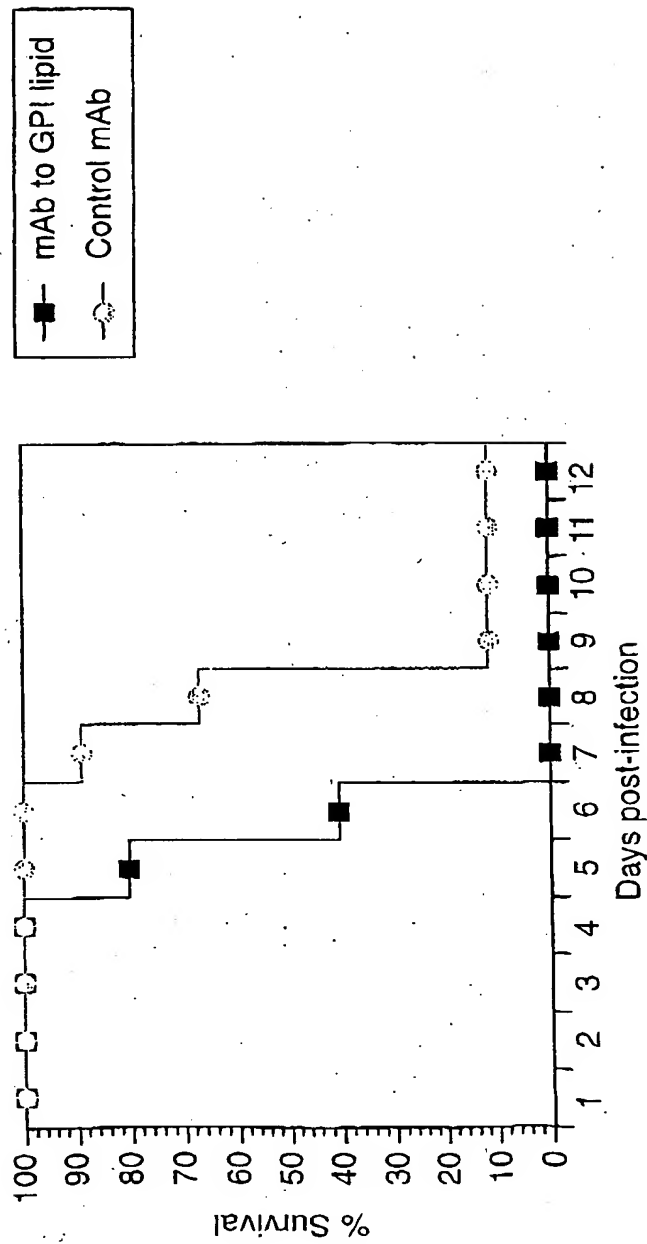


Figure 7

8/24

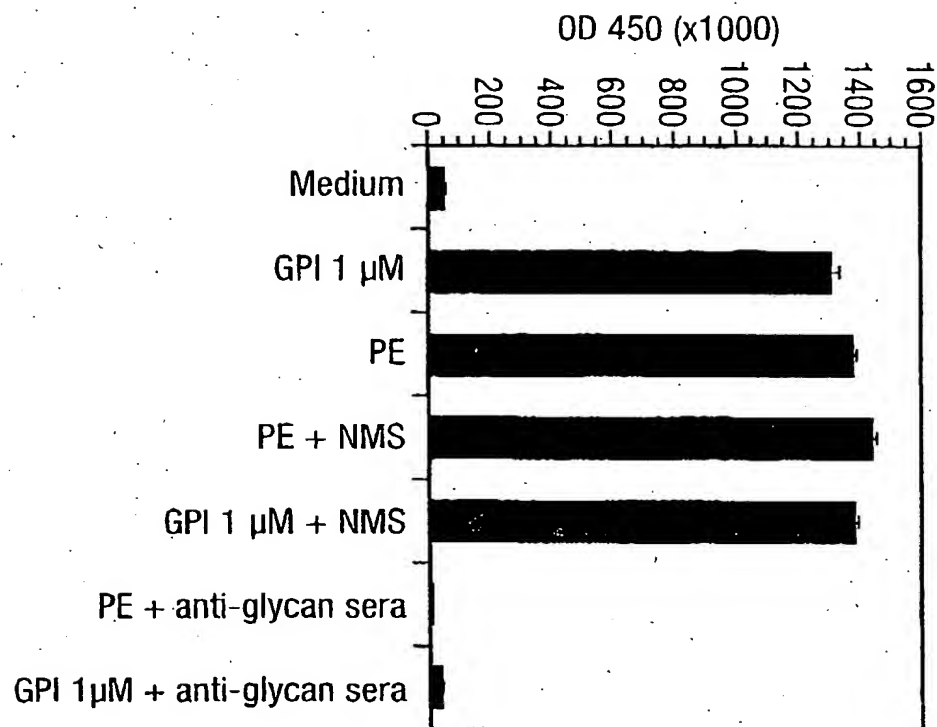


Figure 8

9/24

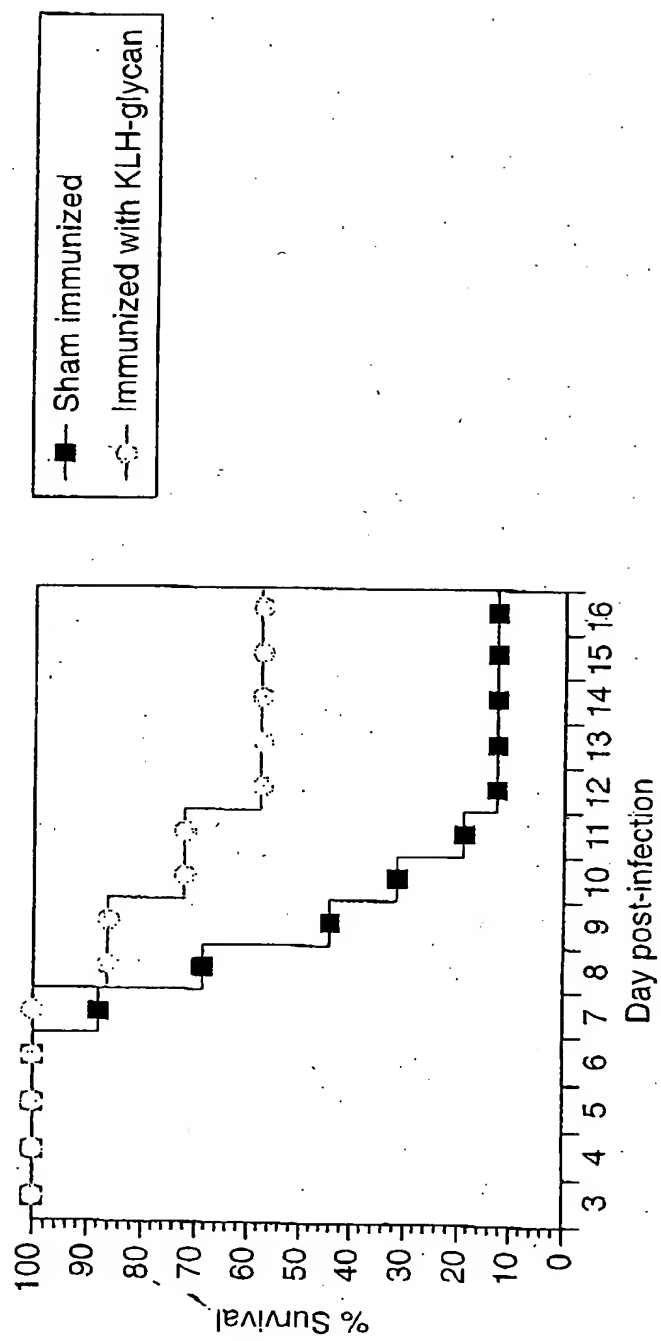


Figure 9

10/24

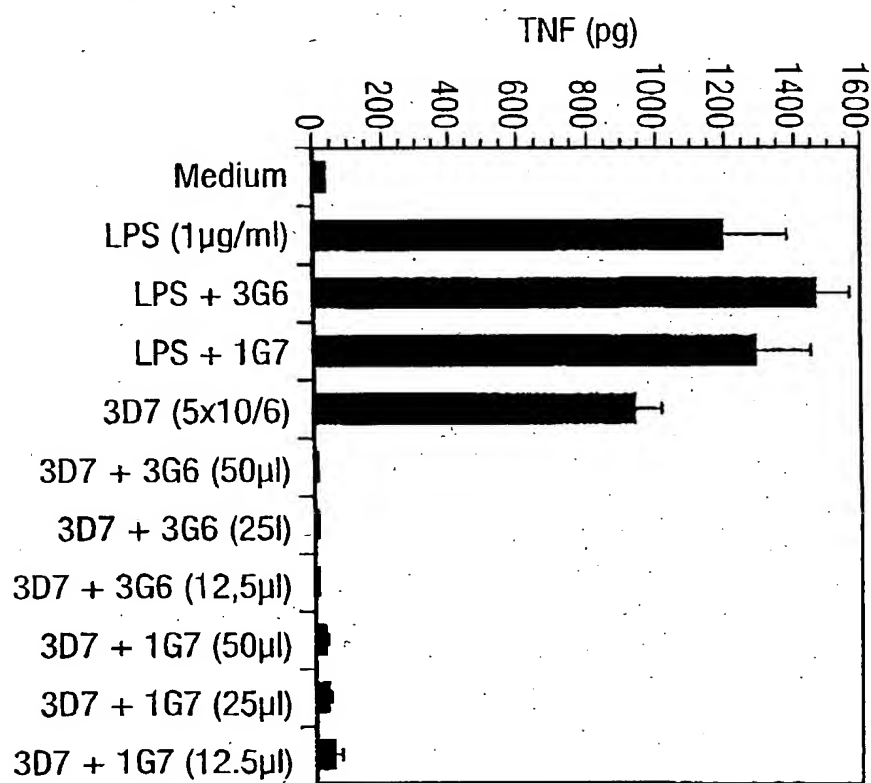


Figure 10

11/24

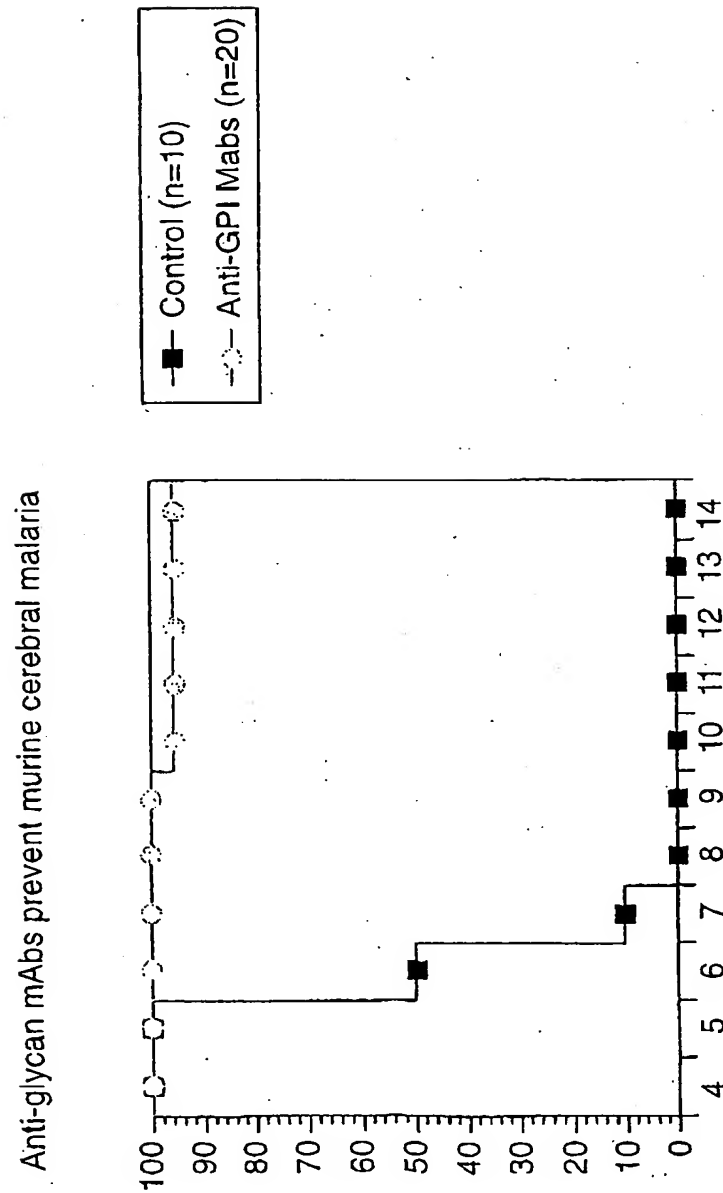


Figure 11

12/24

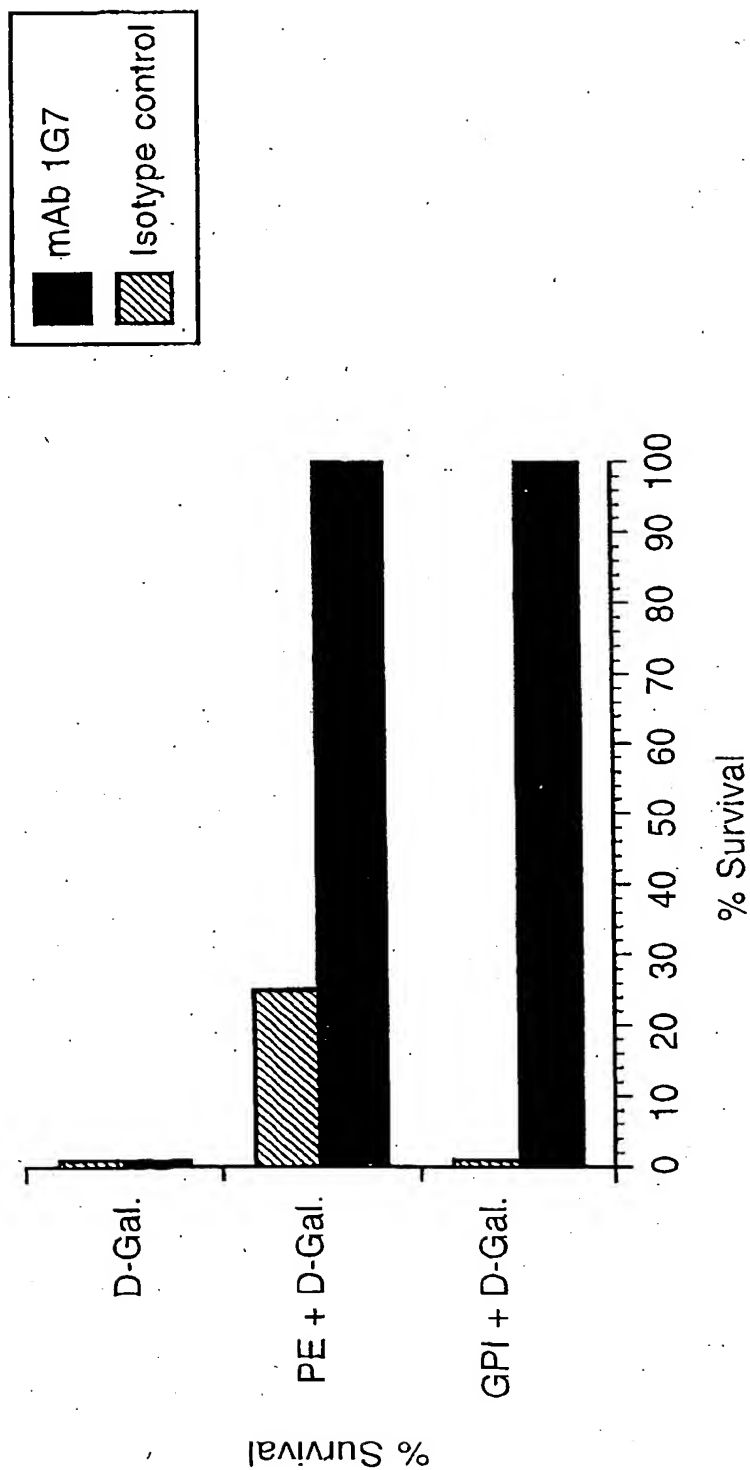


Figure 12

13/24

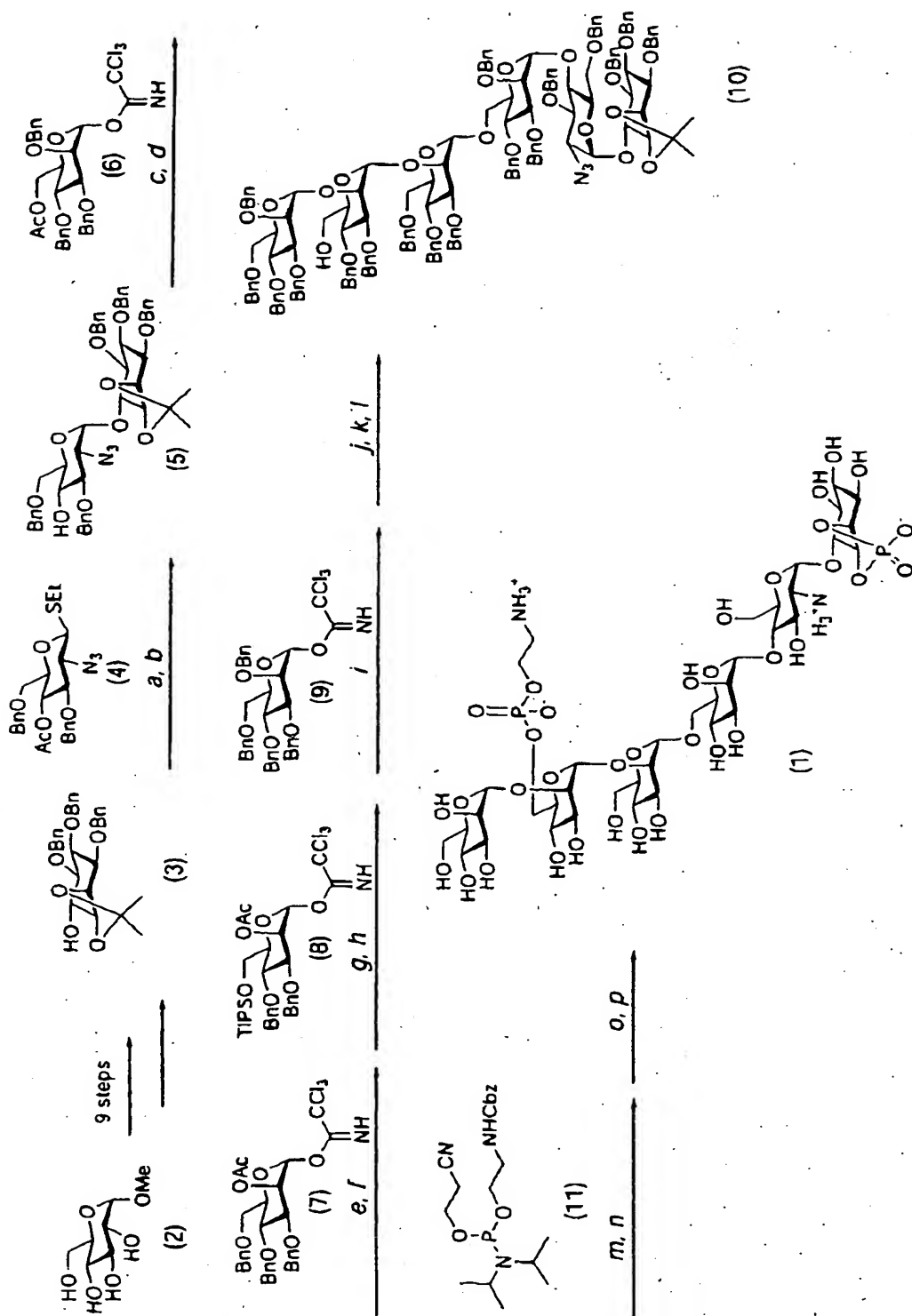


Figure 13

14/24

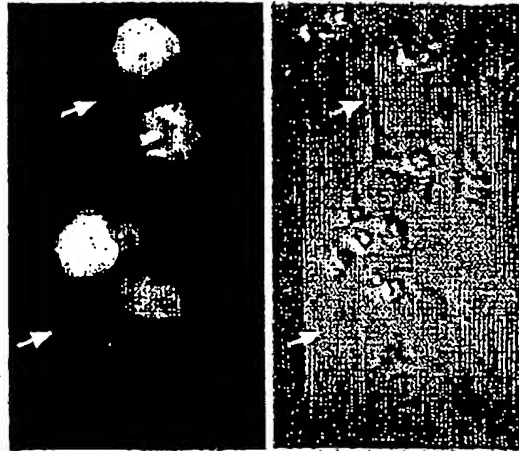


Figure 14a

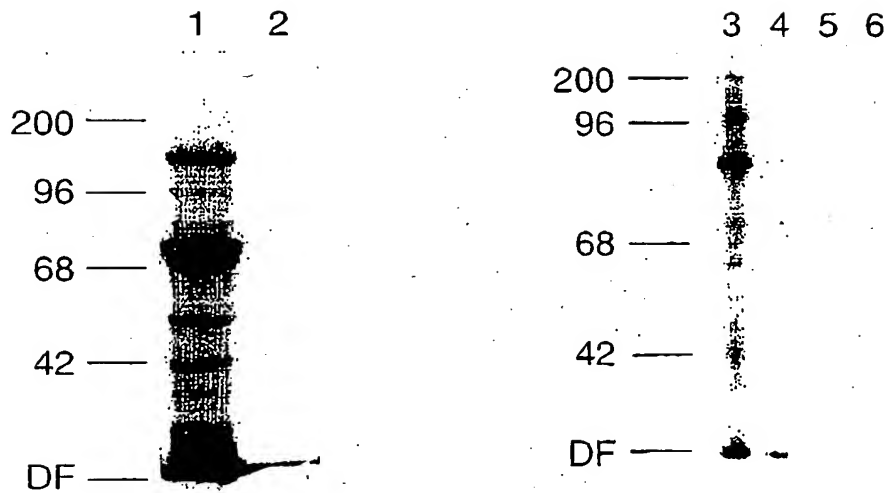


Figure 14b

15/24

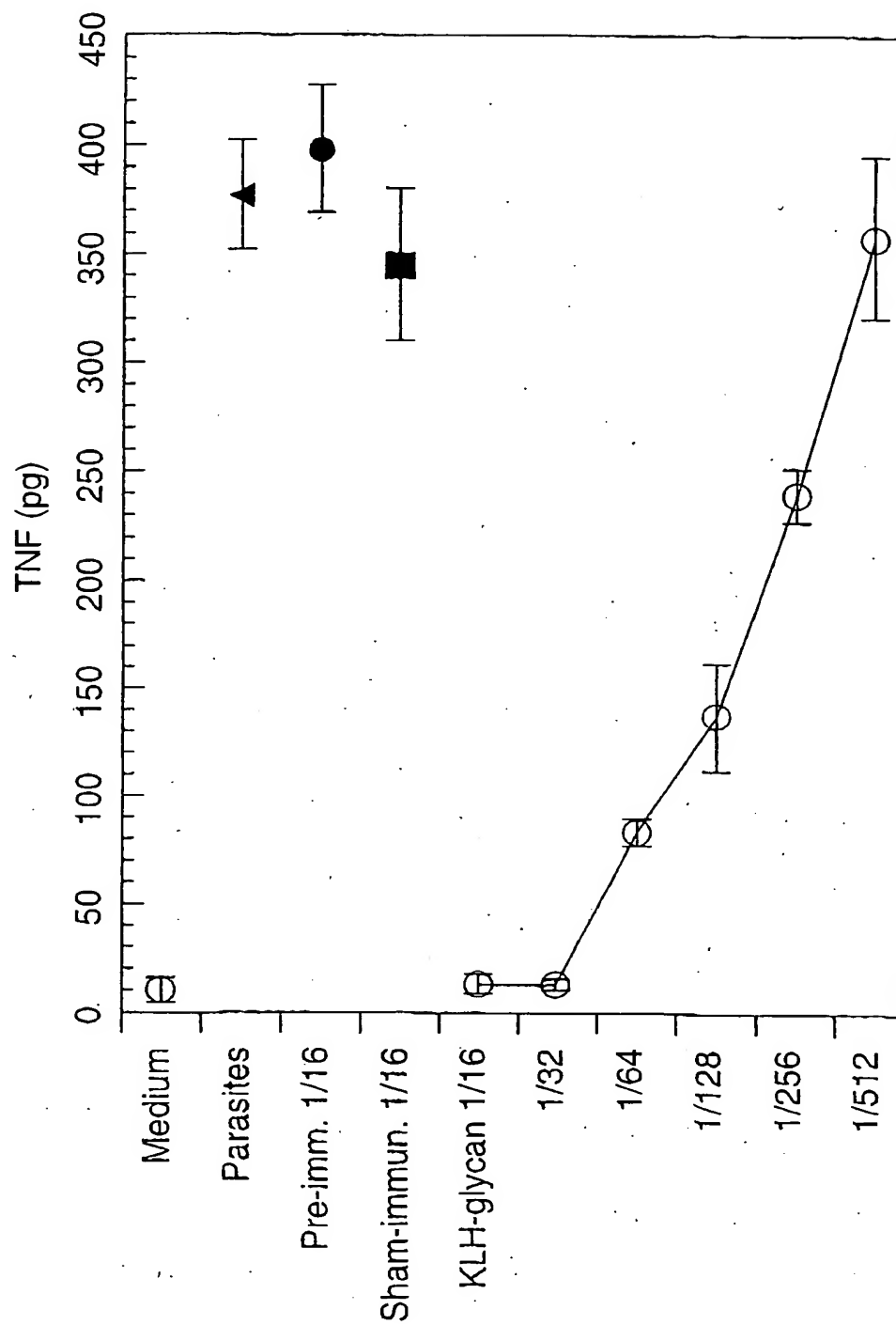


Figure 14

16/24

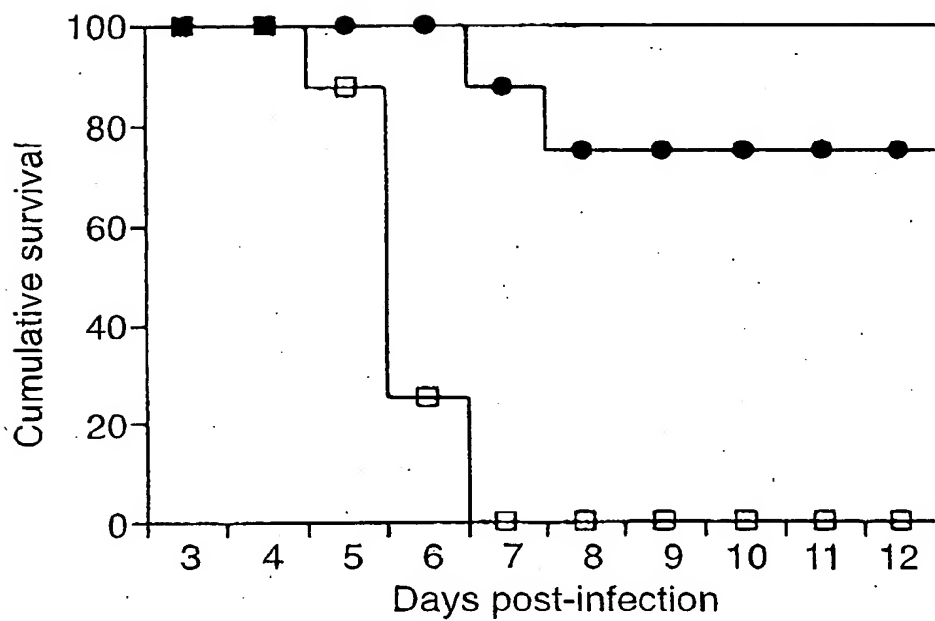


Figure 15a

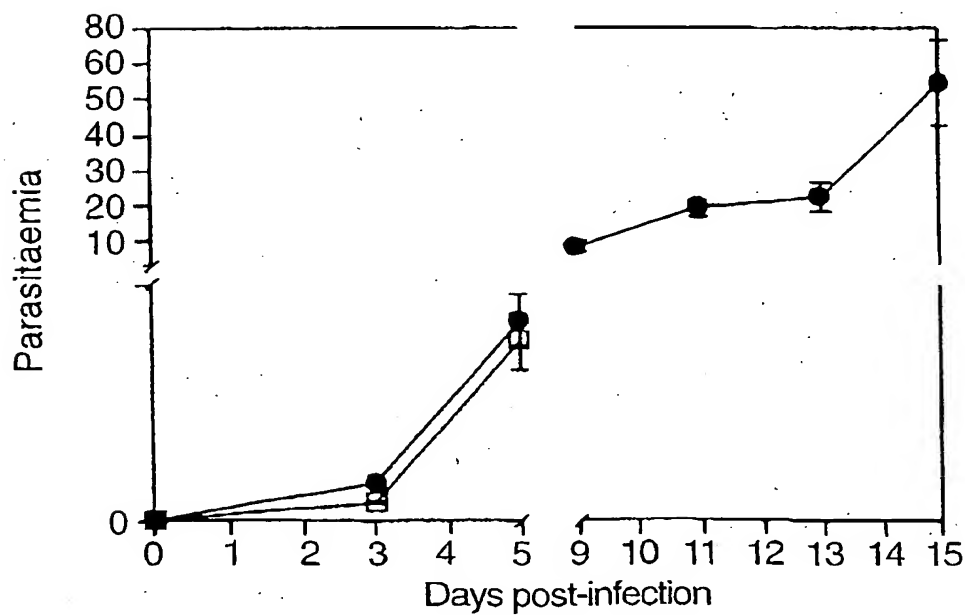


Figure 15b

17/24

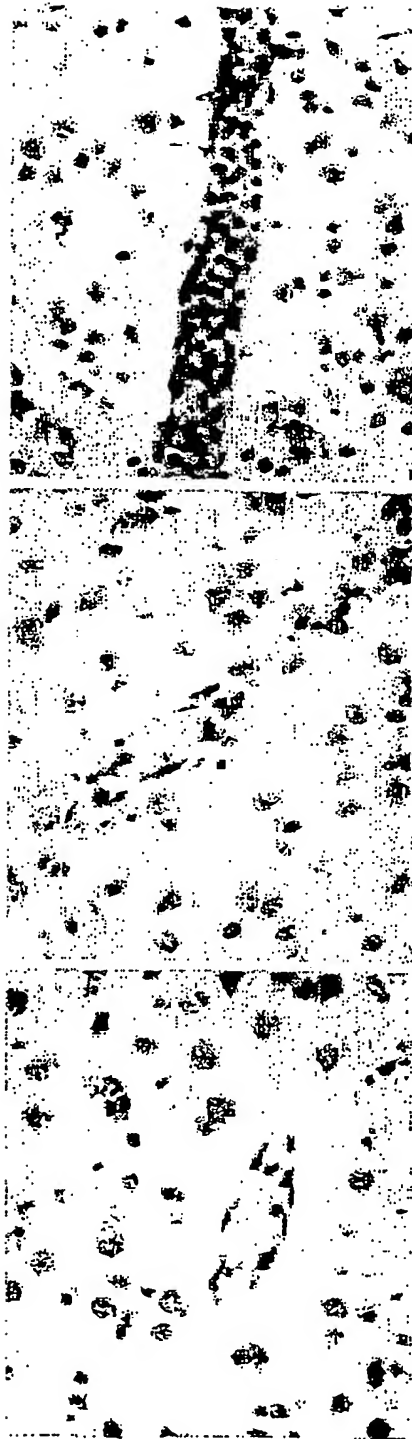


Figure 15c

18/24

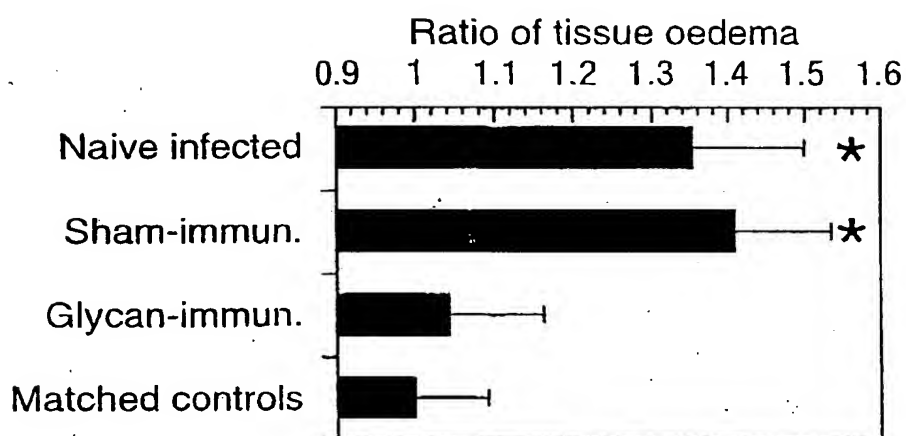


Figure 15 d

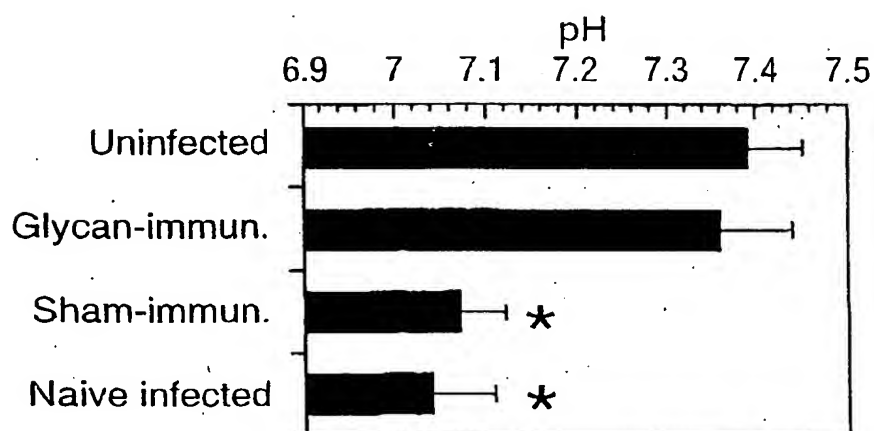


Figure 15 e

19/24

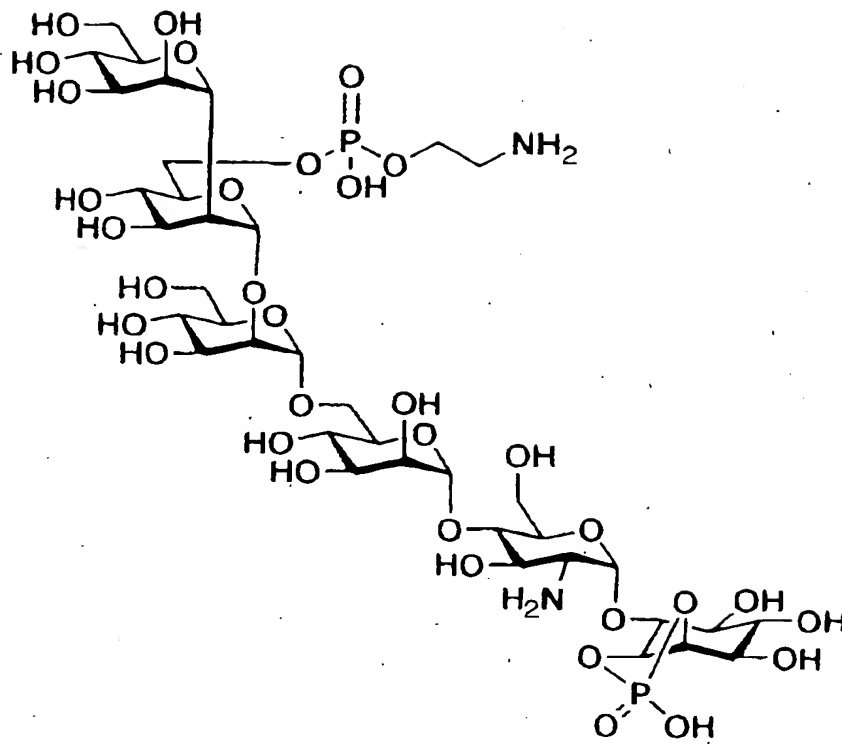


Figure 16

20/24

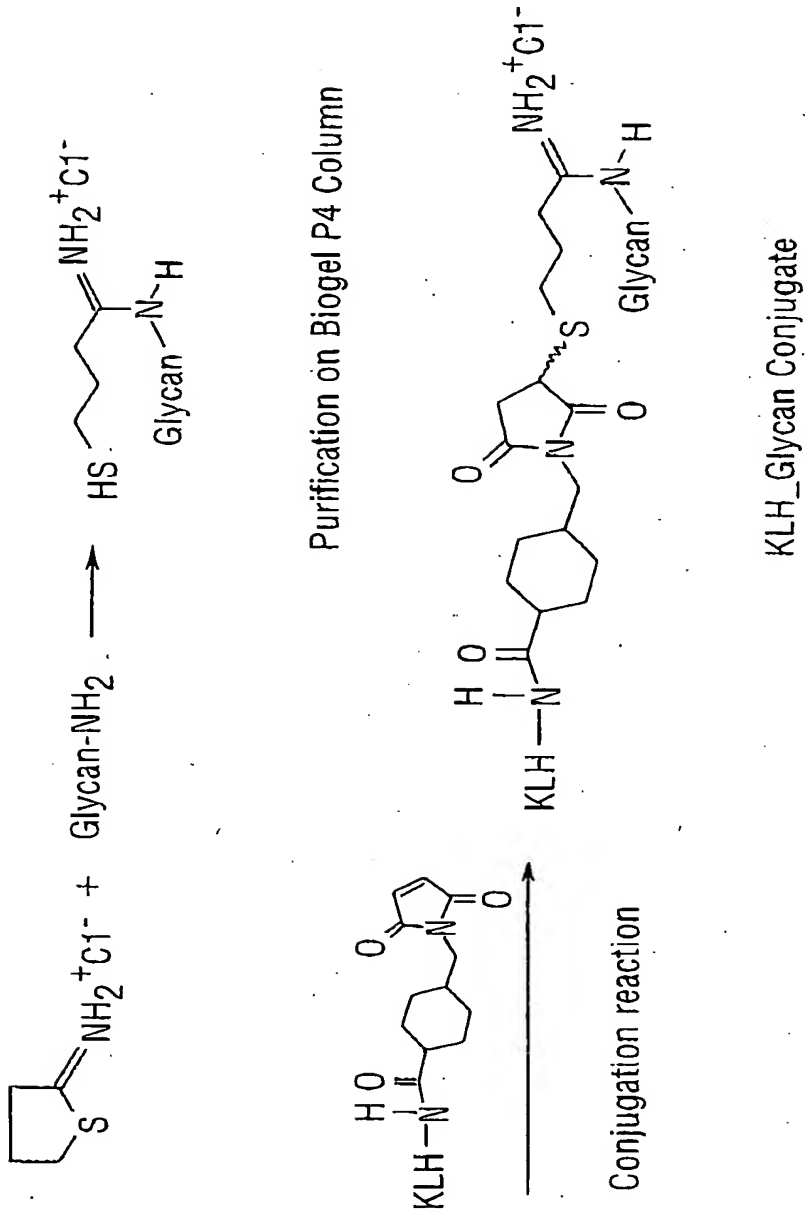


Figure 17

21/24

Protein	MW	Maleimide groups	Conjugation Ratio	Glycan (ng / ug)
OVA	45 000	8 moles per mole OVA	3 : 1 (molar)	84
KLH	8 000 000	479 moles per mole KLH	191 : 1 (molar)	28
BSA	67 000	17 moles per mole BSA	NA	-

Figure 18

22/24

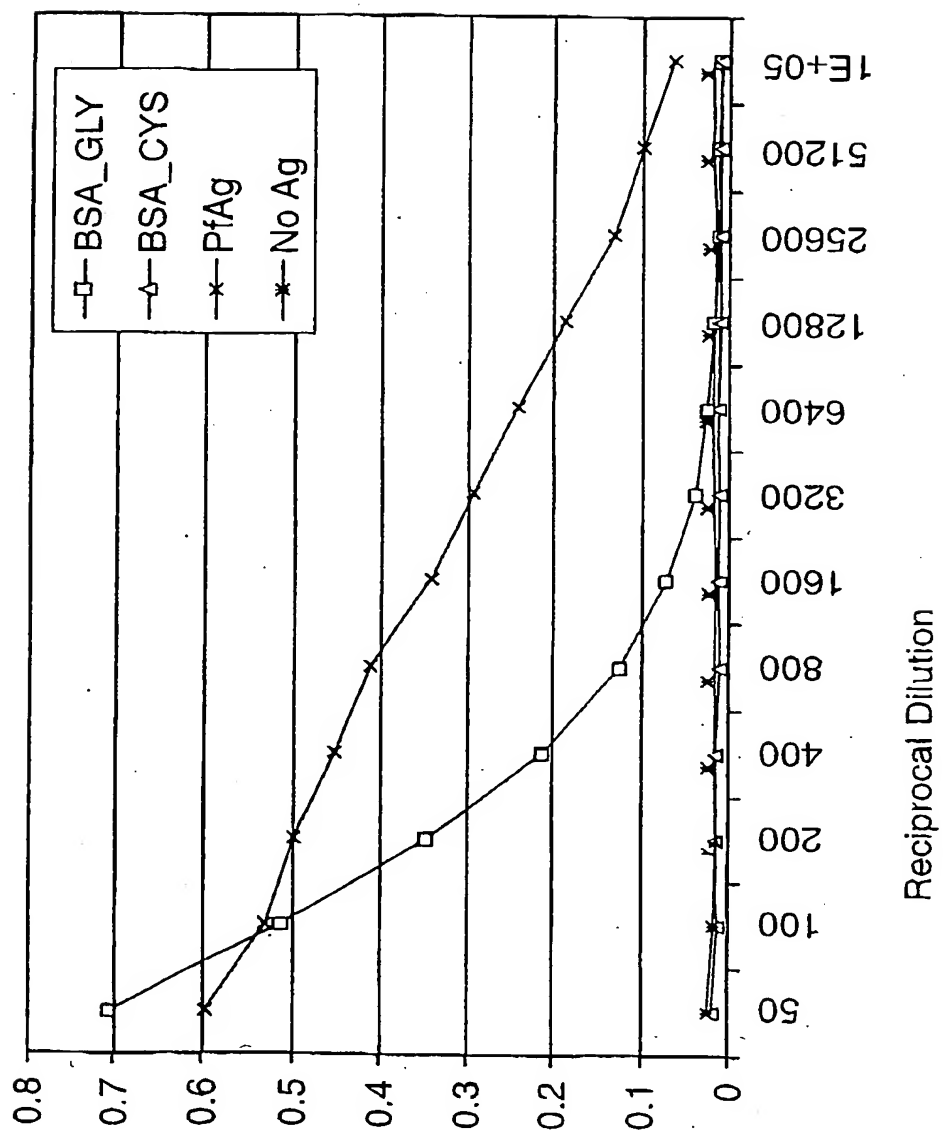


Figure 19

23/24

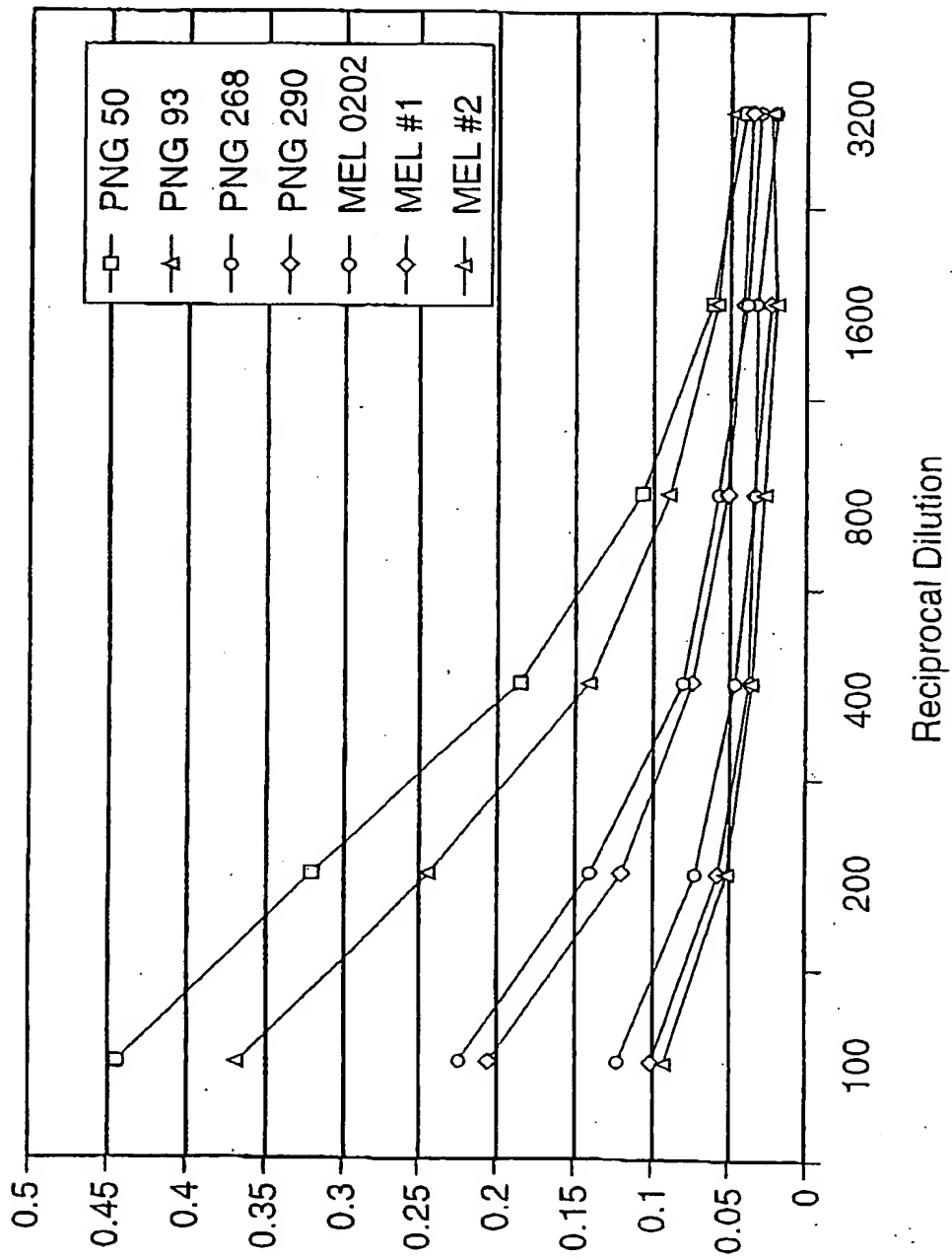
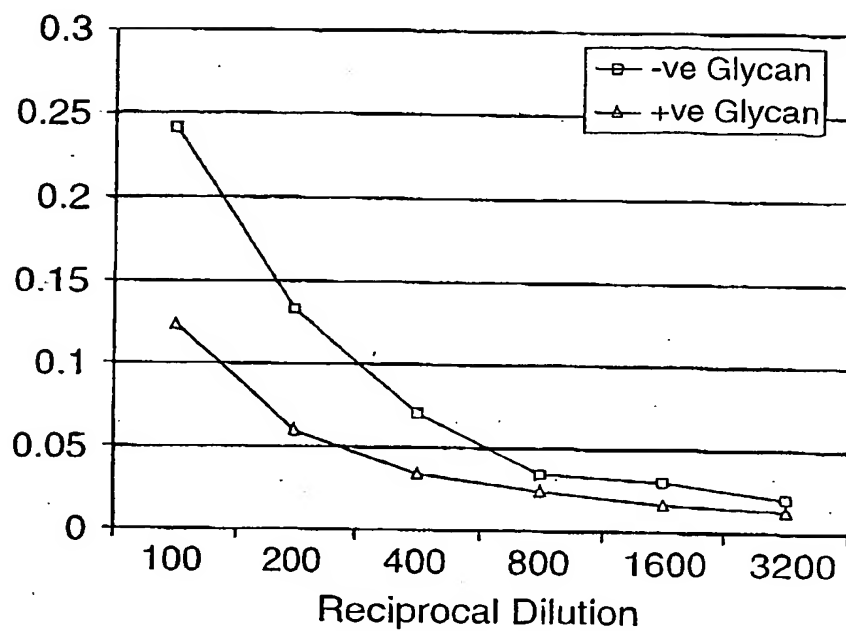


Figure 20

24/24



Molar Excess Synthetic Glycan	Percentage reduction
0	0
25	76
50	89
100	95

Figure 21